



Industrial Ct Scanner

Industrial Imaging Solutions provides Non Destructive Testing (NDT) solutions helping our customers make the transition to digital imaging. With over twenty years of industry experience, our Level III Engineers have been successfully converting inspection processes to digital inspection within a diverse base of customers and industries.

With our extensive experience IIS can support the transition or upgrade in Computer Tomography "CT" (CAT scan systems), Digital Radiography "DR" system, or Computed Radiography "CR" scanners. We also offer X-ray Industry services that include: test procedure development, consulting on equipment selection, and the design of custom inspection equipment and project management oversight.

Product Solutions

Stand Alone X-Ray Systems



Industrial Imaging Solutions is proud to provide product solutions manufactured in the United States. X-ray controllers, generators and heat exchangers are not only assembled and tested in the USA but the majority of the components come from the USA as well. This is a critical component in meeting immediate customer needs and gaining quick access to equipment and providing support in service and repair situations.

The Polaris system is available in 160 kV and 225 kV unipolar configurations and 320 kV and 450 kV bipolar configurations. If you do not know what size tube you need one of our Level III Engineers will help you match the focal spot and power requirements to your application. For a list of our most popular x-ray tubes configurations see the tube selection chart in the replacement tube section.

CR Emergency Response (EOD) unit



This rugged and durable portable unit is ideal for field use. The system can handle Phosphor Storage Plates (PSP) in all common film sizes up to twelve inches wide as well as customized PSP. For

field use it is configured with a Panasonic Toughbook computer and the IIS Iview software. This scanner works equally well for low output pulsed sources like the Golden Engineering unit or with isotope sources.

Portable X-Ray Tubes and Controllers

We carry a wide range of portable x-ray tube/Generators for the NDT, Security and EOD market. Our range of portables includes: hand held 120 and 160 kV battery operated mini focus units, 180 to 360 kV conventional portables, pulsed battery operate portables ranging from 130 kV to 270 kV, and portable 1 MeV accelerators.



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Constant potential hand held portables provide superior images where the application requires the source be small and portable. These units work well with a wide range of digital and real time imaging technology. They can also be equipped with a wide range of accessories including crawlers and lazier pointers.

Linear Diode Arrays



Linear Diode Arrays (LDA) is one of the older and most widely used digital images. LDA's are utilize and a scintillator directly coupled to a photo

diode to convert the x-rays into an electronic signal. This direct couple configuration allow for collimating of each pixel. The columniation of each pixel allows for thicker scintillator without getting scintillator blur. With thicker scintillator these imagers become ideal for high speed imaging and low dose applications. This is why LDA images are commonly used in conveyer fed imaging systems.

Digital Solutions

The Image Processor is the cornerstone of all digital imaging systems converting digital signal inputs into a file format that can be viewed on a computer monitor printed or saved.

Advanced image processors algorithms can be successfully implemented for repetitive inspection tasks. These systems require customization and engineering support for full implementation and provide a long term solution in.... IIS Level III Engineers will customize a processing system working with your engineering team and provide support for full deployment.

Computer Tomography (CT)

Is an advanced x-ray image processing technique that utilizes advanced imaging algorithms to convert a series of two dimensional data into volumetric data (3D). IIS specializes in designing custom volumetric CT upgrades for existing radiography systems and software upgrades for existing CT systems. Please contact our sales department at Sales@solutionsinimaging.com for more information.

Imaging System Design

Our engineers are experts at designing custom Linear Diode Array (LDA), Flat panel detectors or (DR) imaging systems. We can help with the conceptual design, recommend the correct equipment for your application or just make recommendations to improve the image quality of the equipment currently in use.

Equipment Repair and Support Solutions

Our customer support staff is committed to making your life easier. We are here to instruct you, as well as help you with your repair needs. If you have questions with how to use equipment or need help with troubleshooting or repairing equipment feel free to contact us and one of our experienced engineers will be more than happy to assist you.

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